

# Notice of Allowability

Application No.

09/922,945

Examiner

Minh Dieu Nguyen

Applicant(s)

FUKASAWA, MIKIO

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## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to March 17, 2006.
2. ☒ The allowed claim(s) is/are 1-3,5-12,14,16,17,19 and 20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jiwen Chen on 5/10/06.

2. The application has been amended as follows:

#### **In claim 1**

"A computer monitoring system comprising a monitor computer for monitoring a computer and a plurality of monitor-subject computers to be monitored by said monitor computer, wherein:

said monitor-subject computer~~r~~~~s~~ records logs of a use state of application software products, receive~~s~~ a log acquiring instruction from the monitor computer, read~~s~~ out the recorded logs when the monitor-subject computer~~s~~ detect~~s~~ the log acquiring instruction, output~~s~~ and transmit~~s~~ them collectively to the monitor computer, and delete~~s~~ the recorded logs from the monitor-subject computer~~r~~~~s~~, and

said monitor computer outputs the log acquiring instruction to a specific monitor-subject computer when a log acquiring directive is input from a user of the monitor computer or automatically at a constant time, acquires said logs from said monitor-subject computer to which the log acquiring instruction is output in response to the log acquiring instruction, displays on a log displaying screen a log contents including input

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characters at the monitor-subject computer, further, when a directive for calculation and displaying of a use efficiency is input, calculates a using time which is a subtraction of idle state time that is a time period from a time point when a certain time has passed from an action of the application software products up to a next action, from a time when the application software products are activated up to the completion of the application software products, calculates the using time for each application software product, calculates a total idle state time in all the application software products, calculates a use rate for each of said application software products which is a rate of the using time of each application software product in total using time and the total idle state time of all application software products, a use rate of said idle state which is a rate of the total idle state time in total using time and the total idle state time of all application software products, and displays the use efficiency including the using time and the use rate for each of the application software products, and the total idle state time and the rate of the idle state."

has been changed to

--A computer monitoring system comprising a monitor computer for monitoring a computer and a plurality of monitor-subject computers to be monitored by said monitor computer, wherein:

each one of said plurality of monitor-subject computers records logs of a use state of application software products, receives a log acquiring instruction from the

monitor computer, reads out the recorded logs when said each one of the plurality of monitor-subject computers detects the log acquiring instruction, outputs and transmits them collectively to the monitor computer, and deletes the recorded logs from said each one of the plurality of monitor-subject computers; and

said monitor computer outputs the log acquiring instruction to a specific monitor-subject computer when a log acquiring directive is input from a user of the monitor computer or automatically at a constant time, acquires said logs from said specific monitor-subject computer to which the log acquiring instruction is output in response to the log acquiring instruction, displays on a log displaying screen a log contents including input characters at said specific monitor-subject computer, further, when a directive for calculation and displaying of a use efficiency is input, calculates a using time which is a subtraction of idle state time that is a time period from a time point when a certain time has passed from an action of the application software products up to a next action, from a time when the application software products are activated up to the completion of the application software products, calculates the using time for each application software product, calculates a total idle state time in all the application software products, calculates a use rate for each of said application software products which is a rate of the using time of each application software product in total using time and the total idle state time of all application software products, a use rate of said idle state which is a rate of the total idle state time in total using time and the total idle state time of all application software products, and displays the use efficiency including the using time and the use

rate for each of the application software products, and the total idle state time and the rate of the idle state.—

**In claim 2**

“The computer monitoring system according to Claim 1, wherein a monitor computer can monitor a plurality of monitor-subject computers to thereby acquire a log at said monitor-subject computers in duty spot for each of said duty spots, thus outputting a use efficiency of said application software product for each said duty spot.”

has been changed to

--The computer monitoring system according to Claim 1, wherein a monitor computer can monitor the plurality of monitor-subject computers to thereby acquire a log at said monitor-subject computers in duty spot for each of said duty spots, thus outputting a use efficiency of said application software product for each said duty spot.--

**In claim 3**

“The computer monitoring system according to Claim 1, wherein the monitor computer analyzes whether the monitor-subject computer has performed illegal document creation from the log contents including input characters.”

has been changed to

--The computer monitoring system according to Claim 1, wherein the monitor computer analyzes whether the specific monitor-subject computer has performed illegal document creation from the log contents including input characters.—

**In claim 5**

"The computer monitoring system according to Claim 1, wherein a monitor computer acquires a log of contents recorded by text of mail transmission/reception at a monitor-subject computer to thereby analyze whether said monitor-subject computer has performed illegal mail transmission/reception."

has been changed to

--The computer monitoring system according to Claim 1, wherein a monitor computer acquires a log of contents recorded by text of mail transmission/reception at the specific monitor-subject computer to thereby analyze whether said specific monitor-subject computer has performed illegal mail transmission/reception.—

**In claim 6**

"The computer monitoring system according to Claim 2, wherein a monitor computer acquires a log of contents recorded by text of mail transmission/reception at a monitor-subject computer to thereby analyze whether said monitor-subject computer has performed illegal mail transmission/reception."

has been changed to

--The computer monitoring system according to Claim 2, wherein a monitor computer acquires a log of contents recorded by text of mail transmission/reception at the specific monitor-subject computer to thereby analyze whether said specific monitor-subject computer has performed illegal mail transmission/reception. —

**In claim 7**

“The computer monitoring system according to Claim 1, wherein a monitor computer acquires a log of browsing over the Internet at a monitor-subject computer to thereby analyze whether said monitor-subject computer has performed illegal browsing.”

has been changed to

--The computer monitoring system according to Claim 1, wherein a monitor computer acquires a log of browsing over the Internet at the specific monitor-subject computer to thereby analyze whether said specific monitor-subject computer has performed illegal browsing.—

**In claim 8**

“The computer monitoring system according to Claim 2, wherein a monitor computer acquires a log of browsing over the Internet at a monitor-subject computer to thereby analyze whether said monitor-subject computer has performed illegal browsing.”

has been changed to

--The computer monitoring system according to Claim 2, wherein a monitor computer acquires a log of browsing over the Internet at the specific monitor-subject computer to thereby analyze whether said specific monitor-subject computer has performed illegal browsing.

**In claim 9**

"The computer monitoring system according to Claim 1, wherein a monitor computer acquires a log of software installation/un-installation at a monitor-subject computer to thereby analyze whether said monitor-subject computer has performed illegal software installation/un-installation."

has been changed to

--The computer monitoring system according to Claim 1, wherein a monitor computer acquires a log of software installation/un-installation at the specific monitor-subject computer to thereby analyze whether said specific monitor-subject computer has performed illegal software installation/un-installation.--

**In claim 10**

"The computer monitoring system according to Claim 2, wherein a monitor computer acquires a log of software installation/un-installation at a monitor-subject computer to thereby analyze whether said a monitor-subject computer has performed illegal software installation/un-installation. "



has been changed to

--The computer monitoring system according to Claim 2, wherein a monitor computer acquires a log of software installation/un-installation at the specific monitor-subject computer to thereby analyze whether said specific monitor-subject computer has performed illegal software installation/un-installation.—

**In claim 11**

“The computer monitoring system according to Claim 1, wherein a monitor computer acquires a log of characters input at a monitor-subject computer and also calculates the number of said input characters to thereby calculate an input efficiency with respect to an application software product using time at said a monitor-subject computer.”

has been changed to

--The computer monitoring system according to Claim 1, wherein a monitor computer acquires a log of characters input at the specific monitor-subject computer and also calculates the number of said input characters to thereby calculate an input efficiency with respect to an application software product using time at said specific monitor-subject computer.--

**In claim 12**

“The computer monitoring system according to Claim 2, wherein a monitor computer acquires a log of characters input at a monitor-subject computer and also

calculates the number of said input characters to thereby calculate an input efficiency with respect to an application software product using time at said monitor-subject computer.”

has been changed to

--The computer monitoring system according to Claim 2, wherein a monitor computer acquires a log of characters input at the specific monitor-subject computer and also calculates the number of said input characters to thereby calculate an input efficiency with respect to an application software product using time at said specific monitor-subject computer.--

**In claim 14**

“A computer monitoring system comprising a monitor computer for monitoring a computer and a plurality of monitor-subject computers to be monitored by said monitor computer, wherein:

said monitor-subject computers records logs of a use state of application software, receives a log acquiring instruction from the monitor computer, reads out the recorded logs when the monitor-subject computer detects the log acquiring instruction, outputs and transmits them collectively to the monitor computer, and delete the recorded logs from the monitor-subject computer; and

said monitor computer outputs the log acquiring instruction to a specific monitor-subject computer when a log acquiring directive is input from a user of the monitor computer or automatically at a constant time, acquires said logs from said monitor-

subject computers to which the log acquiring instruction is output in response to the log acquiring instruction, displays on a log displaying screen a log contents including input characters at the monitor-subject computer, further, by a displaying instruction for displaying a list of a working rate, calculates a using time which is a subtraction of idle state time that is a time period from a time point when a certain time has passed from an action of the application software up to a next action, from a time when that the application software product is activated up to the completion of the application software, sums the using time for each monitor-subject computers, sums idle state time in all monitor-subject computers, calculates the working rate based on a ratio between the summed idle state time and the summed using time for each monitor-subject computer, and displays a list of the names of said monitor-subject computers in an order of said working rate."

has been changed to

--A computer monitoring system comprising a monitor computer for monitoring a computer and a plurality of monitor-subject computers to be monitored by said monitor computer, wherein:

each one of said plurality of monitor-subject computers records logs of a use state of application software, receives a log acquiring instruction from the monitor computer, reads out the recorded logs when said each one of the plurality of monitor-subject computer detects the log acquiring instruction, outputs and transmits them

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collectively to the monitor computer, and deletes the recorded logs from said each one of the plurality of monitor-subject computer; and

said monitor computer outputs the log acquiring instruction to a specific monitor-subject computer when a log acquiring directive is input from a user of the monitor computer or automatically at a constant time, acquires said logs from said specific monitor-subject computer to which the log acquiring instruction is output in response to the log acquiring instruction, displays on a log displaying screen a log contents including input characters at the specific monitor-subject computer, further, by a displaying instruction for displaying a list of a working rate, calculates a using time which is a subtraction of idle state time that is a time period from a time point when a certain time has passed from an action of the application software up to a next action, from a time when that the application software product is activated up to the completion of the application software, sums the using time for each one of said plurality of monitor-subject computers, sums idle state time in all monitor-subject computers, calculates the working rate based on a ratio between the summed idle state time and the summed using time for each monitor-subject computer, and displays a list of the names of said plurality of monitor-subject computers in an order of said working rate.—

**In claim 16**

“The computer monitoring system according to Claim 14, wherein:

said monitor computer acquires said log for a use state of application software from said monitor-subject computers, so that if said log relates to application software

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products registered beforehand, said monitor computer sums up the numbers of using times or the using times for each of said application software products to thereby calculate a use rate based on a sum of said numbers or times, thus displaying a list of the names of said monitor-subject computers in an order of the use rate."

has been changed to

--The computer monitoring system according to Claim 14, wherein:

said monitor computer acquires said log for a use state of application software from said plurality of monitor-subject computers, so that if said log relates to application software products registered beforehand, said monitor computer sums up the numbers of using times or the using times for each of said application software products to thereby calculate a use rate based on a sum of said numbers or times, thus displaying a list of the names of said plurality of monitor-subject computers in an order of the use rate.--

**In claim 17**

"The computer monitoring system according to Claim 14, wherein:

said monitor-subject computers hold a log of an application software use state or a home page access; and

said monitor computer classifies beforehand application software products to be used or home pages to be accessed into specific items of use state, so that when having acquired said log from said monitor-subject computers, said monitor computer classifies the log by the specific items, calculates a using time and a viewing time for

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each of said classifications, thus displaying a list of the names of said monitor-subject computers based on a ratio between a total time of specific items and a total time of all classification.”

has been changed to

--The computer monitoring system according to Claim 14, wherein:

each one of said plurality of monitor-subject computers holds a log of an application software use state or a home page access; and

said monitor computer classifies beforehand application software products to be used or home pages to be accessed into specific items of use state, so that when having acquired said log from each one of said monitor-subject computers, said monitor computer classifies the log by the specific items, calculates a using time and a viewing time for each of said classifications, thus displaying a list of the names of said plurality of monitor-subject computers based on a ratio between a total time of specific items and a total time of all classification.—

**In claim 19**

“The computer monitoring system according to Claim 14, wherein:

said monitor computer classifies and registers application software products in categories beforehand, so that when having acquired said log of use state from said monitor-subject computer, said monitor computer classifies the log by the categories, sums up using times both for each of said categories and for all of said categories to

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thereby calculate a use rate of a specific category of all of said categories, thus displaying said use rate.”

has been changed to

--The computer monitoring system according to Claim 14, wherein:

said monitor computer classifies and registers application software products in categories beforehand, so that when having acquired said log of use state from said specific monitor-subject computer, said monitor computer classifies the log by the categories, sums up using times both for each of said categories and for all of said categories to thereby calculate a use rate of a specific category of all of said categories, thus displaying said use rate.—

**In claim 20**

“The computer monitoring system according to Claim 17, wherein:

said monitor-subject computer acquires a log of a viewing state of sites; and

said monitor computer classifies and registers sites in categories beforehand, so that when having acquired said log from said monitor-subject computer, said monitor computer classifies the log by the categories, sums up viewing times both for each of said categories and for all of said categories to thereby calculate a viewing rate of a specific category of all of said categories, thus displaying said viewing rate.”

has been changed to

--The computer monitoring system according to Claim 17, wherein:

each one of said plurality of monitor-subject computers acquires a log of a viewing state of sites; and

said monitor computer classifies and registers sites in categories beforehand, so that when having acquired said log from said specific monitor-subject computer, said monitor computer classifies the log by the categories, sums up viewing times both for each of said categories and for all of said categories to thereby calculate a viewing rate of a specific category of all of said categories, thus displaying said viewing rate.--

***Allowable Subject Matter***

3. This action is in response to the communication dated March 17, 2006 with the amendments to claims 1, 3, 11, 14 and 20 and the cancellation of claims 4, 13, 15 and 18.

4. Claims 1-3, 5-12, 14, 16-17 and 19-20 are allowed.

5. The following is an examiner's statement of reasons for allowance:

The present invention is directed to a system for monitoring monitor-subject computers to improve their use efficiency and detecting illegal activities. Each independent claim (claims 1 and 14) identifies features of the monitor-subject computer receives a log acquiring instruction from the monitor computer, reads out the recorded logs when the monitor-subject computer detects the log acquiring instruction and the monitor computer outputs the log acquiring instruction to a specific monitor-subject computer when a log acquiring directive is input from a user of the monitor computer or automatically at a constant time and displays on a log displaying screen a log contents including input



characters at the monitor-subject computer, further, when a directive for calculation and displaying of a use efficiency is input. By displaying a log contents (on a monitor computer displaying screen) including input characters at the monitor-subject computer allows the monitor computer analyzing illegal activities (see claims 3, 5-8). The closest prior arts, Beach et al. (5,388,268), Frison et al. (6,049,789), Ginter et al. (6,658,568), Sakamoto et al. (10-326245), Machida (09-091179), Johnson et al. (5,964,839), Freund (5,987,611), Hirokawa (6,697,172) and Wattenberg (6,583,794) fail to anticipate or render the above limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh Dieu Nguyen whose telephone number is 571-272-3873.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on 571-272-3865. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
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EMMANUELA L. MOISE  
SUPERVISORY PATENT EXAMINER